

The streaming media experience will and can vary due to unknown Internet Service Provider(ISP) variables, outside of SDE, Schoolnet or Discovery control.

Examples:

1. Actual Connection speed (MBPS) available at each district/school.
2. Bandwidth throttling.
3. How many users accessing the resources at once.

*As a result of these factors, I am providing 3 simulated transfer rates based on file sizes and commonly available connection speeds (T1, T3 and Fast Ethernet).

The table below represents a single 15-minute video available in 4 separate formats, bitrate and ultimately file size.

Format Type	Bit-Rate	File Size
Windows Media	256 Kbps	40 Megabytes
Windows Media	700 Kbps	111 Megabytes
Windows Media	1 Mb	163 Megabytes
Adobe Flash	400 Kbps	68 Megabytes

T1 (1.544 MBPS) Simulation

Windows Media 256k = File Download complete in 3 minutes 37 seconds

Windows Media 700k = File Download complete in 11 Minutes 3 seconds

Windows Media 1mb = File Download complete in 14 minutes 45 seconds

Adobe 256k = File Download complete in 6 minutes 9 seconds

T3 (44 MBPS) Simulation

Windows Media 256k = File Download complete in 7 seconds

Windows Media 700k = File Download complete in 20 seconds

Windows Media 1mb = File Download complete in 30 seconds

Adobe 256k = File Download complete in 12 seconds

Fast Ethernet (100 MBPS) Simulation

Windows Media 256k = Download complete in 3 seconds

Windows Media 700k = Download complete in 9 seconds

Windows Media 1mb = Download complete in 13 seconds

Adobe 256k = Download complete in 5 seconds